# **Minimum Window Substring** (View)

Given two strings s and t of lengths m and n respectively, return the **minimum window substring** of s such that every character in t (**including duplicates**) is included in the window. If there is no such substring, return the empty string "".

The testcases will be generated such that the answer is **unique**.

A **substring** is a contiguous sequence of characters within the string.

## **Example 1:**

```
Input: s = "ADOBECODEBANC", t = "ABC"

Output: "BANC"

Explanation: The minimum window substring "BANC" includes 'A', 'B', and 'C' from string t.
```

#### **Example 2:**

```
Input: s = "a", t = "a"
Output: "a"
Explanation: The entire string s is the minimum window.
```

### **Example 3:**

```
Input: s = "a", t = "aa"
Output: ""
Explanation: Both 'a's from t must be included in the window.
Since the largest window of s only has one 'a', return empty string.
```

#### **Constraints:**

```
    m == s.length
    n == t.length
    1 <= m, n <= 10<sup>5</sup>
```

• s and t consist of uppercase and lowercase English letters.

**Follow up:** Could you find an algorithm that runs in O(m + n) time?